

41st National Conference

Recent Trends in 5G Technology & Artificial Intelligence

Date 09th December 2023



Dr. Ajay Kumar
Dr. Sandeep Kumar
Dr. Deepak Sonekar
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Preface

5G has emerged as the epicenter of innovation in technology. Its promise is undeniable: faster speeds, greater reliability and the ability to integrate an ever-growing network of connected devices with unprecedented levels of performance. Powered by 5G, cities are becoming smarter, manufacturing facilities are driving untold efficiency and medical devices are even more capable of saving lives. This fast-moving world requires advanced sensor and antenna technology, smaller devices and shortened production cycles to meet ever increasing consumer demand.

Artificial intelligence (AI) is the intelligence of machines or software, as opposed to the intelligence of humans or animals. It is a field of study in computer science which develops and studies intelligent machines. It may also refer to the intelligent machines themselves.

Though at different stages of the technological hype cycle, 5G and AI can improve one another's capabilities in the enterprise. 5G increases the speed and responsiveness of wireless networks while AI can help balance loads and increase the efficiencies of an enterprise's devices. For the enterprise, the potential combination of 5G and AI is significant, but may be a few years off.

While there are only a few examples of enterprises actually using the combination of 5G and AI today, industry watchers say they may be able to work together to improve the way businesses operate. The relationship between 5G and AI will become a symbiotic one, but one that will remain in the near future for at least a while.

Dr. Ajay Kumar
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